

Light Duty hydraulic motors

WM mini motors offer many advantages such as compact size, high speed, medium torque and extreme low weight and work well in light weight applications.



Flow lpm [gpm]	20 [5]
Pressure bar [psi]	100 [1450]
Torque Nm [lb-in]	49 [434]
Speed rpm	1521

WD motors have a smaller outline yet still provide high efficiency across a wide performance range and an economical solution for light duty applications.



Flow lpm [gpm]	61 [16]
Pressure bar [psi]	140 [2000]
Torque Nm [lb-in]	480 [4248]
Speed rpm	1361

WP motors deliver significant power in a compact package, important where application space is at a premium and torque cannot be sacrificed.



Flow lpm [gpm]	61 [16]
Pressure bar [psi]	160 [2320]
Torque Nm [lb-in]	488 [4320]
Speed rpm	1570

WR motors incorporates the latest in technology including integral check valves which improves seal life. This attributes to greater performance in pressure, speed, and torque.



Flow lpm [gpm]	61 [16]
Pressure bar [psi]	172 [2500]
Torque Nm [lb-in]	660 [5805]
Speed rpm	1120

WG motors incorporate a needle bearing to provide an especially solid platform for any light to medium duty application where side load may present a concern.



Flow lpm [gpm]	57 [15]
Pressure bar [psi]	140 [2000]
Torque Nm [lb-in]	548 [4850]
Speed rpm	830

DID YOU KNOW?

To keep up with growing demands, the world headquarters in Hopkinsville, KY has been expanded 4 times since moving there in 1982.

TYPICAL APPLICATIONS:

- agriculture equipment
- conveyors
- carwashes
- sweepers
- food processing
- grain augers
- spreaders
- hay rakes
- combines
- light to medium duty wheel drives
- feed rollers
- augers
- brush drives
- positioners
- swing drives
- screw drives
- spinners

DISPLACEMENT OPTIONS

WM	13-40 cm ³ /rev	[0.8-2.5 in ³ /rev]
WD	25-388 cm ³ /rev	[1.5-23.7 in ³ /rev]
WP	25-388 cm ³ /rev	[1.5-23.7 in ³ /rev]
WR	40-404 cm ³ /rev	[2.5-24.6 in ³ /rev]
WG	41-404 cm ³ /rev	[2.5-24.4 in ³ /rev]

- 1999 State-of-the-art test facility completed at White Hydraulics Inc. world headquarters in Hopkinsville, KY.
- 2000 White Hydraulics, Inc. acquires the Design and Marketing rights of Rexroth's gerotor motor product line and establishes White Hydraulics GmbH in Germany, serving the European markets.

Light Duty



Note: Specifications listed are continuous ratings. For intermittent and peak ratings, please refer to our online product catalogs or Product Catalog PC990000.

Medium Duty hydraulic motors

HB motors are designed for applications requiring peak efficiency in continuous operation, while providing high performance at low flow rates.



Flow lpm [gpm]	76 [20]
Pressure bar [psi]	207 [3000]
Torque Nm [lb-in]	946 [8400]
Speed rpm	800

WS motors feature a robust design which allows higher intermittent and peak flow rates, increased side load and better withstands pressure and torque spikes.



Flow lpm [gpm]	76 [20]
Pressure bar [psi]	207 [3000]
Torque Nm [lb-in]	824 [7295]
Speed rpm	870

CE motors are 10-25% lighter and more compact than comparable designs, providing the perfect solution for medium duty applications with space restrictions.



Flow lpm [gpm]	76 [20]
Pressure bar [psi]	207 [3000]
Torque Nm [lb-in]	1082 [9575]
Speed rpm	370

RE motors provide excellent value for medium to heavy duty applications. The patented balance plate design assures high volumetric efficiency at start-up & high torque in running conditions.



Flow lpm [gpm]	76 [20]
Pressure bar [psi]	207 [3000]
Torque Nm [lb-in]	1096 [9700]
Speed rpm	370

DR motors offer high performance for medium applications. The three zone orbiting disk valve with a spring biased face seal provides accurate and efficient valving over a wide operating range.



Flow lpm [gpm]	95 [25]
Pressure bar [psi]	207 [3000]
Torque Nm [lb-in]	1107 [9800]
Speed rpm	470

TYPICAL APPLICATIONS:

- skid steer attachments
- augers
- mowers
- harvesting equipment
- wheel drives
- spinners
- chippers
- broom drives
- auger and machine tool indexers
- grapple heads
- feed rollers
- mixers
- winch drives
- swing drives

DISPLACEMENT OPTIONS

HB	52-409 cm ³ /rev	[3.2-24.9 in ³ /rev]
WS	79-496 cm ³ /rev	[4.8-30.3 in ³ /rev]
CE	121-748 cm ³ /rev	[7.4-45.6 in ³ /rev]
RE	121-748 cm ³ /rev	[7.4-45.6 in ³ /rev]
DR	204-748 cm ³ /rev	[12.4-45.6 in ³ /rev]

Note: The HB & DR series motors can be ordered with an integral spring applied hydraulic released brake. The CE & RE series motors can be ordered with a mechanical drum brake.

White Hydraulics restructures it's organization and becomes White Drive Products as it diversifies it's product offering and prepares for future growth. **2005**

On June 8th, the First stone was laid for the construction of White (China) Drive Products Co. Ltd. in Zhenjiang, China **2005**

DID YOU KNOW?

In today's competitive environment, you need a partner with global support reach. White Drive Products provides local service capabilities in 48 countries utilizing a network of over 300 distributor partner locations that are selected for their full service capabilities and hydraulic systems expertise.

Medium Duty



Heavy Duty hydraulic motors

DT motors provide tremendous torque for medium to heavy duty applications. Heavy duty shaft bearings allow high load carrying capabilities, while many shaft options provide solutions for a wide variety of applications.



Flow lpm [gpm]		95 [25]
Pressure bar [psi]		207 [3000]
Torque Nm [lb-in]		2661 [23550]
Speed rpm		320

D9 motors are the strongest in the product line, ruggedly constructed and able to operate in extreme conditions in a variety of applications, offering higher flow capabilities and greater axial and radial load capacities.



Flow lpm [gpm]		204 [54]
Pressure bar [psi]		207 [3000]
Torque Nm [lb-in]		2290 [20265]
Speed rpm		550

Brakes & flow dividers

BK brakes provide up to 1130 Nm [10000 lb-in] of holding torque. This compact spring applied, hydraulically released brake eliminates the cables, linkages, cylinders and brackets used in other brake systems, providing a simpler, more cost-effective solution.

SB brakes feature a multiple wet-disc design for superior performance in an extremely compact package, providing a holding capacity in excess of 620 Nm [5500 lb-in]. SB brakes are easily mated to a variety of global industry standard motor mounting and shaft options, and can be used as a stand-alone brake without an input drive motor.

FD flow dividers are the most accurate available in the market today. Our patented Roller Stator® design reduces internal leakage and friction, resulting in higher efficiency and providing more accurate output flows and quieter operation.

OUR PROMISE

White Drive Products will design, develop and manufacture quality products and sell them at competitive prices.

TYPICAL APPLICATIONS:

- heavy duty wheel drives
- concrete mixing machines
- pumping units
- conveyors
- boring machines and rotators
- construction machinery
- agricultural machinery & associated attachments.

DISPLACEMENT OPTIONS

DT 300-2093 cm³/rev [18.3-127.7 in³/rev]
D9 256-1027 cm³/rev [15.6-62.7 in³/rev]

Note: The DT series motors can be ordered with an integral spring applied hydraulic released brake.

Typical brake applications include wheel drives, positioners, conveyors, door openers and swing drives.

Typical flow divider applications include cylinder synchronization, parallel motor circuits and pressure intensification.

Heavy Duty

